

RAW SEQUENCE LISTING

DATE: 05/05/2000

PATENT APPLICATION: US/09/132,231A

TIME: 14:04:12

Input Set : A:\PTO.txt

Output Set: N:\CRF3\05052000\I132231A.raw

ENTERED

5 <110> APPLICANT: HORWITZ, Marshall S.
 7 <120> LOEB, Lawrence A
 11 <120> TITLE OF INVENTION: METHOD FOR PRODUCING NOVEL DNA SEQUENCES WITH
 13 BIOLOGICAL ACTIVITY
 17 <130> FILE REFERENCE: 032425-001
 21 <140> CURRENT APPLICATION NUMBER: 09/132,231A
 23 <141> CURRENT FILING DATE: 1998-08-11
 27 <150> PRIOR APPLICATION NUMBER: US 08/316,415
 29 <151> PRIOR FILING DATE: 1994-09-30
 33 <160> NUMBER OF SEQ ID NOS: 57
 37 <170> SOFTWARE: PatentIn Ver. 2.0
 41 <210> SEQ ID NO: 1
 43 <211> LENGTH: 17
 45 <212> TYPE: DNA
 47 <213> ORGANISM: Escherichia coli
 51 <220> FEATURE
 53 <221> NAME/KEY: misc_difference
 55 <222> LOCATION: (1)..(9)
 57 <223> OTHER INFORMATION: Nucleotide at position 9 is n wherein n = a, c, g,
 59 or t.
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 66 ccgaattcna tcgatcc 17
 72 <210> SEQ ID NO: 2
 74 <211> LENGTH: 17
 76 <212> TYPE: DNA
 78 <213> ORGANISM: Escherichia coli
 82 <220> FEATURE
 84 <221> NAME/KEY: misc_feature
 86 <222> LOCATION: (1)..(9)
 88 <223> OTHER INFORMATION: Nucleotide at position 9 is n wherein n = c, g, or
 90 t.
 94 <400> SEQUENCE: 2
 96 ccgaattcna tcgatcc 17
 102 <210> SEQ ID NO: 3
 104 <211> LENGTH: 11
 106 <212> TYPE: DNA
 108 <213> ORGANISM: Escherichia coli
 112 <400> SEQUENCE: 3
 114 tacagtagtt t 11
 120 <210> SEQ ID NO: 4
 122 <211> LENGTH: 26
 124 <212> TYPE: DNA
 126 <213> ORGANISM: Escherichia coli
 130 <400> SEQUENCE: 1
 132 aattcttggg cggcgtcgg ctgat 26
 138 <210> SEQ ID NO: 5
 140 <211> LENGTH: 21

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142 <212> TYPE: DNA
144 <213> ORGANISM: Escherichia coli
146 <400> SEQUENCE: 5
150 cgatcaagtc gacgcgcgcc caag 24
156 <210> SEQ ID NO: 6
158 <211> LENGTH: 20
160 <212> TYPE: DNA
162 <213> ORGANISM: Escherichia coli
164 <400> SEQUENCE: 6
168 tttctgggtg catactcttc 20
174 <210> SEQ ID NO: 7
176 <211> LENGTH: 26
178 <212> TYPE: DNA
180 <213> ORGANISM: Escherichia coli
182 <400> SEQUENCE: 7
186 tttctgggtg apacctcata ctcttc 26
192 <210> SEQ ID NO: 8
194 <211> LENGTH: 20
196 <212> TYPE: DNA
198 <213> ORGANISM: Escherichia coli
200 <220> FEATURE
202 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (1)..(11)
206 <223> OTHER INFORMATION: Nucleotide at position 11 is n wherein n = a, c,
210 g, or t
212 <400> SEQUENCE: 8
216 ggggagatct nagatctggg 20
222 <210> SEQ ID NO: 9
224 <211> LENGTH: 10
226 <212> TYPE: DNA
228 <213> ORGANISM: Escherichia coli
230 <400> SEQUENCE: 9
234 ccccagatct 10
240 <210> SEQ ID NO: 10
242 <211> LENGTH: 47
244 <212> TYPE: DNA
246 <213> ORGANISM: Escherichia coli
250 <220> FEATURE
252 <221> NAME/KEY: misc_feature
254 <222> LOCATION: (16)..(38)
256 <223> OTHER INFORMATION: Nucleotides 16 to 38 are n wherein n = unspecified
258 bases.
262 <400> SEQUENCE: 10
264 cgcctcgagg aacgtnnnnn nnnnnnnnnn nnnnnnnnag tactgct 47
270 <210> SEQ ID NO: 11
272 <211> LENGTH: 46
274 <212> TYPE: DNA
276 <213> ORGANISM: Escherichia coli
280 <220> FEATURE.

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282 <231> NAME/KEY: misc_feature
284 <232> LOCATION: (13)..(26)
286 <233> OTHER INFORMATION: Nucleotides 18 to 26 are n wherein n = unspecified
288 bases.
292 <234> FEATURE:
294 <231> NAME/KEY: misc_feature
296 <232> LOCATION: (30)..(35)
298 <233> OTHER INFORMATION: Nucleotides 30 to 35 are n wherein n = unspecified
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304 <400> SEQUENCE: 11
306 cgccccagga acgtttttnnn nnnnnnagcn nnnnnaaagt actgct 46
312 <210> SEQ ID NO: 12
314 <211> LENGTH: 47
316 <212> TYPE: DNA
318 <213> ORGANISM: Escherichia coli
322 <400> SEQUENCE: 12
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330 <210> SEQ ID NO: 13
332 <211> LENGTH: 57
334 <212> TYPE: DNA
336 <213> ORGANISM: Escherichia coli
340 <400> SEQUENCE: 13
342 caagaaattt catgtttgac agcttatcat cgataagctt taatgcggta gtttata 57
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350 <211> LENGTH: 57
352 <212> TYPE: DNA
354 <213> ORGANISM: Escherichia coli
358 <400> SEQUENCE: 14
360 ttctttaaga gtacaaactg tgaatagta gctattcgaa attacgccat caaatag 57
366 <210> SEQ ID NO: 15
368 <211> LENGTH: 19
370 <212> TYPE: DNA
372 <213> ORGANISM: Escherichia coli
376 <220> FEATURE:
378 <221> NAME/KEY: misc_feature
380 <222> LOCATION: (1)..(15)
382 <223> OTHER INFORMATION: Nucleotides 1 to 19 are n wherein n = unspecified
384 bases.
388 <400> SEQUENCE: 15
390 nnnnnnnnnn nnnnnnnnnn 19
396 <210> SEQ ID NO: 16
398 <211> LENGTH: 40
400 <212> TYPE: DNA
402 <213> ORGANISM: Escherichia coli
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408 ttctcatggt tgcagetta tcatcgataa gctttaatgc 40
414 <210> SEQ ID NO: 17
416 <211> LENGTH: 40
418 <212> TYPE: DNA

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431 <400> SEQUENCE: 17
435 gtgcaggaac gccgcagggg aaagaactgc gccttgacat 40
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434 <211> LENGTH: 16
436 <212> TYPE: DNA
438 <213> ORGANISM: Escherichia coli
442 <400> SEQUENCE: 18
441 ggagccacacg atacgt 16
450 <210> SEQ ID NO: 19
452 <211> LENGTH: 19
454 <212> TYPE: DNA
456 <213> ORGANISM: Escherichia coli
460 <400> SEQUENCE: 19
462 aagacaggjj gggcgcacat 19
469 <210> SEQ ID NO: 20
470 <211> LENGTH: 12
472 <212> TYPE: DNA
474 <213> ORGANISM: Escherichia coli
478 <400> SEQUENCE: 20
480 gccctgcata ta 12
486 <210> SEQ ID NO: 21
488 <211> LENGTH: 10
490 <212> TYPE: DNA
492 <213> ORGANISM: Escherichia coli
496 <400> SEQUENCE: 21
498 ttccggatcc 10
500 <210> SEQ ID NO: 22
506 <211> LENGTH: 22
508 <212> TYPE: DNA
510 <213> ORGANISM: Escherichia coli
514 <400> SEQUENCE: 22
516 tcttggggcgc gcgtcggtt ga 22
522 <210> SEQ ID NO: 23
524 <211> LENGTH: 18
526 <212> TYPE: DNA
528 <213> ORGANISM: Escherichia coli
532 <400> SEQUENCE: 23
534 gccctttttc tcccttga 18
540 <210> SEQ ID NO: 24
542 <211> LENGTH: 23
544 <212> TYPE: DNA
546 <213> ORGANISM: Escherichia coli
550 <400> SEQUENCE: 24
552 cgtccctgac ttgcgttgt tcc 23
558 <210> SEQ ID NO: 25
560 <211> LENGTH: 25
562 <212> TYPE: DNA
564 <213> ORGANISM: Escherichia coli

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568 <400> SEQUENCE: 25
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576 <210> SEQ ID NO: 26
578 <211> LENGTH: 19
580 <212> TYPE: DNA
582 <213> ORGANISM: Escherichia coli
586 <400> SEQUENCE: 26
588 cgtgagggcc gtgctttc 19
594 <210> SEQ ID NO: 27
596 <211> LENGTH: 19
598 <212> TYPE: DNA
600 <213> ORGANISM: Escherichia coli
604 <400> SEQUENCE: 27
606 attcggttg cggcgtag 19
612 <210> SEQ ID NO: 28
614 <211> LENGTH: 19
616 <212> TYPE: DNA
618 <213> ORGANISM: Escherichia coli
622 <400> SEQUENCE: 28
624 cagtagggag ccatgtcg 19
630 <210> SEQ ID NO: 29
632 <211> LENGTH: 19
634 <212> TYPE: DNA
636 <213> ORGANISM: Escherichia coli
640 <400> SEQUENCE: 29
642 gggcggtct caggtcgt 19
648 <210> SEQ ID NO: 30
650 <211> LENGTH: 15
652 <212> TYPE: DNA
654 <213> ORGANISM: Escherichia coli
658 <400> SEQUENCE: 30
660 ggcggtggc gccgc 15
666 <210> SEQ ID NO: 31
668 <211> LENGTH: 29
670 <212> TYPE: DNA
672 <213> ORGANISM: Escherichia coli
676 <400> SEQUENCE: 31
678 gcccttgctt tgggtgtctt gctcgccc 29
684 <210> SEQ ID NO: 32
686 <211> LENGTH: 26
688 <212> TYPE: DNA
690 <213> ORGANISM: Escherichia coli
694 <400> SEQUENCE: 32
696 tcttgggctg gccttcgggc gagagt 26
702 <210> SEQ ID NO: 33
704 <211> LENGTH: 19
706 <212> TYPE: DNA
708 <213> ORGANISM: Escherichia coli
712 <400> SEQUENCE: 33
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VERIFICATION SUMMARY

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L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
 L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
 L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
 L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
 L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
 L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
 L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.